

-- In addition, up to 10% and preferably from 0.5 to 5% of the polyethylene oxide may be replaced by hydrophobic homopolymeric polyalkylene glycols, the alkylene group containing more than 2, preferably 3 or 4 carbon atoms. Their molecular weights are in particular in the range from 150 to 10,000 g/moles.--

IN THE CLAIMS:

Please cancel Claims 16-17, 19, 21-25 and 31 without prejudice.

Please amend Claims 1, 18, 26, 32, 35 and 36 to read as follows:

1. (Thrice Amended) A process for the production of at least two-ply paper laminates, the process comprising:

applying a water-soluble hotmelt adhesive having a solubility in water at 20°C of at least 3% by weight to a first layer of paper, the hotmelt adhesive comprising one or more polyurethanes having a molecular weight ( $M_n$ ) of at least 2,000 and wherein a 0.3% by weight solution of the hotmelt adhesive in water has an upper cloud point of at least 60°C, and laminating at least a second layer of paper onto the adhesive side of the first layer.

18. (Amended) A process as in claim 37 wherein the nonionic polyurethane is a reaction product of at least one polyisocyanate with at least one polyalkylene glycol having a molecular weight of at least 1,550.

26. (Twice Amended) A hygiene paper comprising:

a first layer of paper secured to a second layer of paper by a hotmelt adhesive having a solubility in water at 20°C of at least 3% by weight and comprising one or more polyurethanes

having a molecular weight ( $M_n$ ) of at least 2,000, wherein a 0.3% by weight solution of the hotmelt adhesive in water has an upper cloud point of at least 60°C.

32. (Amended) A process comprising:

applying a hotmelt adhesive to at least a portion of a first layer of paper, the hotmelt adhesive comprising a polyurethane obtained from a polyurethane reaction mixture containing a hydrophobic diol having a hydrophobic moiety containing from 6 to 36 carbon atoms; and contacting a second layer of paper with the hotmelt adhesive.

35. (Amended) A process comprising:

applying a hotmelt adhesive to at least a portion of a first layer of paper, the hotmelt adhesive comprising a polyurethane obtained from a polyurethane reaction mixture containing a hydrophobic structural element obtained by reacting at least one NCO-terminated oligomer with a reactant selected from the group consisting of mono-ols and monofunctional amines; and contacting a second layer of paper with the hotmelt adhesive.

36. (Amended) The process of Claim 32 wherein the hydrophobic diol is selected from the group consisting of 1,10-decanediol, 1,12-dodecanediol, 1,12-octadecanediol, dimer fatty acid diol, 1,2-octanediol, 1,2-dodecanediol, 1,2-hexadecanediol, 1,2-octadecanediol, 1,2-tetradecanediol, 4,4-isopropylidene dicyclohexanol, 4,8-bis(hydroxymethyl)tricyclo[5,2,1,0<sup>2,6</sup>]decanes, 1,4:3,6-dianhydro-D-mannitol, 1,4:3,6-

dianhydro-D-sorbitol, 1,16-hexadecanediol, bisphenol A, monofatty acid esters of glycerol with fatty acids containing up to 22 carbon atoms, and mixtures thereof.

Please add new Claims 37-51 to read as follows:

-- 37. (New) A process as in claim 1 wherein the polyurethanes of the hot melt adhesive are nonionic polyurethanes.

38. (New) A process as in claim 1 wherein the polyurethanes of the hot melt adhesive are ionic polyurethanes.

39. (New) A hygiene paper as in claim 26 wherein the polyurethanes of the hot melt adhesive are nonionic polyurethanes.

40. (New) A hygiene paper as in claim 39 wherein the nonionic polyurethane is a reaction product of at least one polyisocyanate with at least one polyalkylene glycol having a molecular weight of at least 1,550.

41. (New) A hygiene paper as in claim 26 wherein the polyurethanes of the hot melt adhesive are ionic polyurethanes.

42. (New) The process of Claim 32 wherein the polyurethane of the hot melt adhesive is a nonionic polyurethane.

43. (New) The process of Claim 42 wherein the nonionic polyurethane is a reaction product of at least one polyisocyanate with at least one polyalkylene glycol having a molecular weight of at least 1,550.

44. (New) The process of Claim 33 wherein the at least one polyol comprises a hydrophobic homopolymeric polyalkylene glycol.

45. (New) The process of Claim 32 wherein the polyurethane of the hot melt adhesive is an ionic polyurethane.

46. (New) The process of Claim 35 wherein the polyurethane reaction mixture further comprises at least one polyisocyanate and a polyol.

47. (New) The process of Claim 46 wherein the at least one polyol comprises a polyalkylene oxide.

48. (New) The process of Claim 46 wherein the at least one polyol comprises a hydrophobic homopolymeric polyalkylene glycol.

49. (New) The process of Claim 35 wherein the polyurethane of the hot melt adhesive is a nonionic polyurethane.